



PATENT
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I hereby certify under 37 C.F.R. § 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Moya Kinnealey
Printed name of person mailing correspondence

Moya Kinnealey
Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Vassilis I. Zannis et al.	Art Unit:	1636
Serial No.:	09/827,854	Examiner:	Quang Nguyen
Filed:	April 5, 2001	Customer No.:	21559
Title:	COMPOUNDS AND METHODS FOR LOWERING CHOLESTEROL LEVELS WITHOUT INDUCING HYPERTRIGLYCERIDEMIA		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT UNDER 37 C.F.R. § 1.825

In reply to the Notice to Comply that was mailed in connection with the above-captioned application on March 21, 2003 and as required by 37 C.F.R. § 1.825(a), enclosed is an amended Sequence Listing consisting of fifteen (15) sheets to replace the Sequence Listing that was present in this application prior to this submission.

The Sequence Listing has been amended to contain SEQ ID NOs: 20-29 from page 21, Table I of the specification, as requested by the Examiner. I hereby submit that the substitute sheets contain no new matter.

As required by 37 C.F.R. § 1.825(b), enclosed is a diskette containing a copy of the Sequence Listing in computer readable form, including all previously submitted data with the amendments incorporated therein. The contents of the computer readable form of the Sequence Listing are the same as the contents of the paper sheets.

If there are any charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: May 21, 2003

Clark & Elbing LLP
101 Federal Street
Boston, MA 02110
Telephone: 617-428-0200
Facsimile: 617-428-7045

\\Clark-w2k1\documents\07180\07180.004003 Sequence Statement.doc

Vicki L. Healy
Paul T. Clark Vicki L. Healy
Reg. No. 30,162 Reg. No. 48,343



21559

PATENT TRADEMARK OFFICE



SEQUENCE LISTING

RECEIVED

MAY 28 2003

TECH CENTER 1600/2900

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Kypreos, Kyriakos E.

<120> Compounds and methods for lowering
cholesterol levels without inducing hypertriglyceridemia

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<140> US 09/827,854

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 cgggagaccc tgtccccgcc ccagccgtcc tcctgggggtg gaccctagtt taataaagat 1140
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 <212> DNA
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 gagcaagcgg tggagacaga gccggagccc gagctgcgcc agcagaccga gtggcagagc 180
 ggccagcgct gggaactggc actgggtcgc ttttgggatt acctgcgctg ggtgcagaca 240
 ctgtctgagc aggtgcagga ggagctgctc agctcccagg tcaccagga actgagggcg 300
 ctgatggacg agaccatgaa ggagttgaag gcctacaaat cggaactgga ggaacaactg 360
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 cggctgggcg cggacatgga ggacgtgtgc ggccgccttg tgcagtaccg cggcgagggtg 480
 caggccatgc tcggccagag caccgaggag ctgcgggtgc gcctcgcctc ccacctgcgc 540
 aagctgcgta agcggctcct ccgcgatgcc gatgacctgc agaagtgcct ggcaagtgtac 600
 caggccgggg cccgcgaggg cgccgagcgc ggctcagcg ccatccgcga gcgcctgggg 660
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 cgggagaccc tgtccccgcc ccagccgtcc tcctgggggtg gaccctagtt taataaagat 1140
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<210> 10
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 <212> DNA
 <213> Homo sapiens

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 gagcaagcgg tggagacaga gccggagccc gagctgcgcc agcagaccga gtggcagagc 180
 ggccagcgct gggaactggc actgggtcgc ttttgggatt acctgcgctg ggtgcagaca 240
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 cggctgggcg cggacatgga ggacgtgtgc ggccgccttg tgcagtaccg cggcgagggtg 480
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 agctggttcg agcccctggt ggaagacatg cagcgccagt gggccgggct ggtggagaag 960
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 aagcctgcag ccatgcgacc ccacgccacc ccgtgcctcc tgcctccgcg cagcctgcag 1080
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 tcaccaagtt tcacgc 1156

<210> 11
 <211> 1156
 <212> DNA
 <213> Homo sapiens

<400> 11

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gagcaagcgg tggagacaga gccggagccc gagctgcgcc agcagaccga gtggcagagc 180
ggccagcgct gggaactggc actgggtcgc ttttgggatt acctgcgctg ggtgcagaca 240
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ctgatggacg agaccatgaa ggagttgaag gcctacaaat cggaactgga ggaacaactg 360
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cggctgggcg cggacatgga ggacgtgtgc ggccgcctgg tgcagtaccg cggcgagggtg 480
caggccatgc tcggccagag caccgaggag ctgcgggtgc gcctcgcctc ccacctgcgc 540
aagctgtgta agcggctcct ccgcgatgcc gatgacctgc agaagcgcct ggcaagtgtac 600
caggccgggg cccgcgaggg cgcgcagcgc ggcctcagcg ccatccgcga gcgcctgggg 660
cccctggtgg aacagggccg cgtgcgggcc gccactgtgg gctccctggc cggccagccg 720
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aagcctgcag ccatgcgacc ccacgccacc ccgtgcctcc tgcctccgcg cagcctgcag 1080
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tcaccaagtt tcacgc 1156
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<210> 12

<211> 1156

<212> DNA

<213> Homo sapiens

<400> 12

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gagcaagcgg tggagacaga gccggagccc gagctgcgcc agcagaccga gtggcagagc 180
ggccagcgct gggaactggc actgggtcgc ttttgggatt acctgcgctg ggtgcagaca 240
ctgtctgagc aggtgcagga ggagctgctc agctcccagg tcaccagga actgagggcg 300
ctgatggacg agaccatgaa ggagttgaag gcctacaaat cggaactgga ggaacaactg 360
accccggtgg cggaggagac gcgggcacgg ctgtccaagg agctgcaggc ggcgcaggcc 420
cggctgggcg cggacatgga ggacgtgtgc ggccgcctgg tgcagtaccg cggcgagggtg 480
caggccatgc tcggccagag caccgaggag ctgcgggtgc gcctcgcctc ccacctgcgc 540
aagctgcgtc agcggctcct ccgcgatgcc gatgacctgc agaagcgcct ggcaagtgtac 600
caggccgggg cccgcgaggg cgcgcagcgc ggcctcagcg ccatccgcga gcgcctgggg 660
cccctggtgg aacagggccg cgtgcgggcc gccactgtgg gctccctggc cggccagccg 720
ctacaggagc gggcccaggc ctggggcgag cggctgcgcg cgcggatgga ggagatgggc 780
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<210> 13

<211> 18

<212> PRT

<213> Homo sapiens

<400> 13

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1 5 10 15
Gln Ala
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<210> 14
 <211> 317
 <212> PRT
 <213> Homo sapiens

<400> 14
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 Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu
 20 25 30
 Arg Gln Gln Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala Leu
 35 40 45
 Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln
 50 55 60
 Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala
 65 70 75 80
 Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu
 85 90 95
 Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser
 100 105 110
 Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp
 115 120 125
 Val Arg Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu
 130 135 140
 Gly Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg
 145 150 155 160
 Lys Leu Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg
 165 170 175
 Leu Ala Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu
 180 185 190
 Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val
 195 200 205
 Arg Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg
 210 215 220
 Ala Gln Ala Trp Gly Glu Arg Leu Arg Ala Arg Met Glu Glu Met Gly
 225 230 235 240
 Ser Arg Thr Arg Asp Arg Leu Asp Glu Val Lys Glu Gln Val Ala Glu
 245 250 255
 Val Arg Ala Lys Leu Glu Glu Gln Ala Gln Gln Ile Arg Leu Gln Ala
 260 265 270
 Glu Ala Phe Gln Ala Arg Leu Lys Ser Trp Phe Glu Pro Leu Val Glu
 275 280 285
 Asp Met Gln Arg Gln Trp Ala Gly Leu Val Glu Lys Val Gln Ala Ala
 290 295 300
 Val Gly Thr Ser Ala Ala Pro Val Pro Ser Asp Asn His
 305 310 315

<210> 15
 <211> 317
 <212> PRT
 <213> Homo sapiens

<400> 15
 Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys
 1 5 10 15
 Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu
 20 25 30

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Arg	Gln	Gln	Thr	Glu	Trp	Gln	Ser	Gly	Gln	Arg	Trp	Glu	Leu	Ala	Leu		
	35						40					45					
Gly	Arg	Phe	Trp	Asp	Tyr	Leu	Arg	Trp	Val	Gln	Thr	Leu	Ser	Glu	Gln		
	50					55					60						
Val	Gln	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Arg	Ala		
65					70					75				80			
Leu	Met	Asp	Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	Lys	Ser	Glu	Leu		
				85					90					95			
Glu	Glu	Gln	Leu	Thr	Pro	Val	Ala	Glu	Glu	Thr	Arg	Ala	Arg	Leu	Ser		
			100					105					110				
Lys	Glu	Leu	Gln	Ala	Ala	Gln	Ala	Arg	Leu	Gly	Ala	Asp	Met	Glu	Asp		
	115						120					125					
Val	Cys	Gly	Arg	Leu	Val	Gln	Tyr	Arg	Gly	Glu	Val	Gln	Ala	Met	Leu		
	130					135					140						
Gly	Gln	Ser	Thr	Glu	Glu	Leu	Arg	Val	Arg	Leu	Ala	Ser	His	Leu	Arg		
145					150					155					160		
Lys	Leu	Arg	Lys	Arg	Leu	Leu	Arg	Asp	Ala	Asp	Asp	Leu	Gln	Lys	Arg		
				165					170					175			
Leu	Ala	Val	Tyr	Gln	Ala	Gly	Ala	Arg	Glu	Gly	Ala	Glu	Arg	Gly	Leu		
			180				185						190				
Ser	Ala	Ile	Arg	Glu	Arg	Leu	Gly	Pro	Leu	Val	Glu	Gln	Gly	Arg	Val		
	195						200					205					
Arg	Ala	Ala	Thr	Val	Gly	Ser	Leu	Ala	Gly	Gln	Pro	Leu	Gln	Glu	Arg		
	210					215					220						
Ala	Gln	Ala	Trp	Gly	Glu	Arg	Leu	Arg	Ala	Arg	Met	Glu	Glu	Met	Gly		
225					230					235					240		
Ser	Arg	Thr	Arg	Asp	Arg	Leu	Asp	Glu	Val	Lys	Glu	Gln	Val	Ala	Glu		
				245					250					255			
Val	Arg	Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala		
			260					265					270				
Glu	Ala	Phe	Gln	Ala	Arg	Leu	Lys	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu		
	275						280					285					
Asp	Met	Gln	Arg	Gln	Trp	Ala	Gly	Leu	Val	Glu	Lys	Val	Gln	Ala	Ala		
	290					295					300						
Val	Gly	Thr	Ser	Ala	Ala	Pro	Val	Pro	Ser	Asp	Asn	His					
305					310					315							

<210> 16
 <211> 317
 <212> PRT
 <213> Homo sapiens

<400> 16

Met	Lys	Val	Leu	Trp	Ala	Ala	Leu	Leu	Val	Thr	Phe	Leu	Ala	Gly	Cys		
1				5					10					15			
Gln	Ala	Lys	Val	Glu	Gln	Ala	Val	Glu	Thr	Glu	Pro	Glu	Pro	Glu	Leu		
			20					25					30				
Arg	Gln	Gln	Thr	Glu	Trp	Gln	Ser	Gly	Gln	Arg	Trp	Glu	Leu	Ala	Leu		
			35				40					45					
Gly	Arg	Phe	Trp	Asp	Tyr	Leu	Arg	Trp	Val	Gln	Thr	Leu	Ser	Glu	Gln		
	50					55				60							
Val	Gln	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Arg	Ala		
65					70					75				80			
Leu	Met	Asp	Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	Lys	Ser	Glu	Leu		
				85					90					95			
Glu	Glu	Gln	Leu	Thr	Pro	Val	Ala	Glu	Glu	Thr	Arg	Ala	Arg	Leu	Ser		
			100					105					110				
Lys	Glu	Leu	Gln	Ala	Ala	Gln	Ala	Arg	Leu	Gly	Ala	Asp	Met	Glu	Asp		

115	120	125
Val Cys Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu		
130	135	140
Gly Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg		
145	150	155
Lys Leu Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Cys		
165	170	175
Leu Ala Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu		
180	185	190
Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val		
195	200	205
Arg Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg		
210	215	220
Ala Gln Ala Trp Gly Glu Arg Leu Arg Ala Arg Met Glu Glu Met Gly		
225	230	235
Ser Arg Thr Arg Asp Arg Leu Asp Glu Val Lys Glu Gln Val Ala Glu		
245	250	255
Val Arg Ala Lys Leu Glu Glu Gln Ala Gln Gln Ile Arg Leu Gln Ala		
260	265	270
Glu Ala Phe Gln Ala Arg Leu Lys Ser Trp Phe Glu Pro Leu Val Glu		
275	280	285
Asp Met Gln Arg Gln Trp Ala Gly Leu Val Glu Lys Val Gln Ala Ala		
290	295	300
Val Gly Thr Ser Ala Ala Pro Val Pro Ser Asp Asn His		
305	310	315

<210> 17
 <211> 317
 <212> PRT
 <213> Homo sapiens

<400> 17

Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys	
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Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu	
20	25
Arg Gln Gln Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala Leu	
35	40
Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln	
50	55
Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala	
65	70
Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu	
85	90
Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser	
100	105
Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp	
115	120
Val Cys Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu	
130	135
Asp Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg	
145	150
Lys Leu Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Cys	
165	170
Leu Ala Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu	
180	185
Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val	
195	200
	205

Arg	Ala	Ala	Thr	Val	Gly	Ser	Leu	Ala	Gly	Gln	Pro	Leu	Gln	Glu	Arg
210						215					220				
Ala	Gln	Ala	Trp	Gly	Glu	Arg	Leu	Arg	Ala	Arg	Met	Glu	Glu	Met	Gly
225				230					235						240
Ser	Arg	Thr	Arg	Asp	Arg	Leu	Asp	Glu	Val	Lys	Glu	Gln	Val	Ala	Glu
				245				250						255	
Val	Arg	Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala
			260					265					270		
Glu	Ala	Phe	Gln	Ala	Arg	Leu	Lys	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu
		275				280					285				
Asp	Met	Gln	Arg	Gln	Trp	Ala	Gly	Leu	Val	Glu	Lys	Val	Gln	Ala	Ala
290						295					300				
Val	Gly	Thr	Ser	Ala	Ala	Pro	Val	Pro	Ser	Asp	Asn	His			
305					310					315					

<210> 18
 <211> 317
 <212> PRT
 <213> Homo sapiens

<400> 18

Met	Lys	Val	Leu	Trp	Ala	Ala	Leu	Leu	Val	Thr	Phe	Leu	Ala	Gly	Cys
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Gln	Ala	Lys	Val	Glu	Gln	Ala	Val	Glu	Thr	Glu	Pro	Glu	Pro	Glu	Leu
			20					25					30		
Arg	Gln	Gln	Thr	Glu	Trp	Gln	Ser	Gly	Gln	Arg	Trp	Glu	Leu	Ala	Leu
			35				40					45			
Gly	Arg	Phe	Trp	Asp	Tyr	Leu	Arg	Trp	Val	Gln	Thr	Leu	Ser	Glu	Gln
50						55					60				
Val	Gln	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Arg	Ala
65					70					75				80	
Leu	Met	Asp	Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	Lys	Ser	Glu	Leu
				85					90					95	
Glu	Glu	Gln	Leu	Thr	Pro	Val	Ala	Glu	Glu	Thr	Arg	Ala	Arg	Leu	Ser
			100					105					110		
Lys	Glu	Leu	Gln	Ala	Ala	Gln	Ala	Arg	Leu	Gly	Ala	Asp	Met	Glu	Asp
			115				120					125			
Val	Cys	Gly	Arg	Leu	Val	Gln	Tyr	Arg	Gly	Glu	Val	Gln	Ala	Met	Leu
130						135					140				
Gly	Gln	Ser	Thr	Glu	Glu	Leu	Arg	Val	Arg	Leu	Ala	Ser	His	Leu	Arg
145					150					155				160	
Lys	Leu	Cys	Lys	Arg	Leu	Leu	Arg	Asp	Ala	Asp	Asp	Leu	Gln	Lys	Arg
				165					170					175	
Leu	Ala	Val	Tyr	Gln	Ala	Gly	Ala	Arg	Glu	Gly	Ala	Glu	Arg	Gly	Leu
			180					185					190		
Ser	Ala	Ile	Arg	Glu	Arg	Leu	Gly	Pro	Leu	Val	Glu	Gln	Gly	Arg	Val
		195				200						205			
Arg	Ala	Ala	Thr	Val	Gly	Ser	Leu	Ala	Gly	Gln	Pro	Leu	Gln	Glu	Arg
210						215					220				
Ala	Gln	Ala	Trp	Gly	Glu	Arg	Leu	Arg	Ala	Arg	Met	Glu	Glu	Met	Gly
225				230						235					240
Ser	Arg	Thr	Arg	Asp	Arg	Leu	Asp	Glu	Val	Lys	Glu	Gln	Val	Ala	Glu
				245				250						255	
Val	Arg	Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala
			260					265					270		
Glu	Ala	Phe	Gln	Ala	Arg	Leu	Lys	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu
		275				280						285			
Asp	Met	Gln	Arg	Gln	Trp	Ala	Gly	Leu	Val	Glu	Lys	Val	Gln	Ala	Ala

290	295	300
Val Gly Thr Ser Ala	Ala Pro Val Pro Ser Asp	Asn His
305	310	315

<210> 19
 <211> 317
 <212> PRT
 <213> Homo sapiens

<400> 19
 Met Lys Val Leu Trp Ala Ala Leu Leu Val Thr Phe Leu Ala Gly Cys
 1 5 10 15
 Gln Ala Lys Val Glu Gln Ala Val Glu Thr Glu Pro Glu Pro Glu Leu
 20 25 30
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 35 40 45
 Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln
 50 55 60
 Val Gln Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala
 65 70 75 80
 Leu Met Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu
 85 90 95
 Glu Glu Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser
 100 105 110
 Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp
 115 120 125
 Val Cys Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu
 130 135 140
 Gly Gln Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg
 145 150 155 160
 Lys Leu Arg Gln Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg
 165 170 175
 Leu Ala Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu
 180 185 190
 Ser Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val
 195 200 205
 Arg Ala Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg
 210 215 220
 Ala Gln Ala Trp Gly Glu Arg Leu Arg Ala Arg Met Glu Glu Met Gly
 225 230 235 240
 Ser Arg Thr Arg Asp Arg Leu Asp Glu Val Lys Glu Gln Val Ala Glu
 245 250 255
 Val Arg Ala Lys Leu Glu Glu Gln Ala Gln Gln Ile Arg Leu Gln Ala
 260 265 270
 Glu Ala Phe Gln Ala Arg Leu Lys Ser Trp Phe Glu Pro Leu Val Glu
 275 280 285
 Asp Met Gln Arg Gln Trp Ala Gly Leu Val Glu Lys Val Gln Ala Ala
 290 295 300
 Val Gly Thr Ser Ala Ala Pro Val Pro Ser Asp Asn His
 305 310 315

<210> 20
 <211> 24
 <212> DNA
 <213> Artificial Sequence
 <220>

<223> Synthetic Primer

<400> 20
gctgggtgca gacactgtct gagg

24

<210> 21
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer

<400> 21
cgagcgct cgcccagca ggcct

25

<210> 22
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer

<400> 22
cccctggtgt aacagggccg cgtg

24

<210> 23
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer

<400> 23
ggggccctgt tacaccaggg gcc

24

<210> 24
<211> 21
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